

Claims

- [c1] 1. A pharmaceutical tablet dispensing and packaging system, comprising:
- a) a tablet packaging unit;
 - b) a first tablet dispensing unit disposed on top of the tablet packaging unit and defined by a front portion, a rear portion and side portions, wherein first tablet cassettes each containing tablets are installed in the first tablet dispensing unit detachably through the front portion and aligned in columns to selectively release the tablets through the rear portion into the tablet packaging unit, wherein a plurality of vertical dividers are formed on the rear portion to incorporate a plurality of vertical grooves between and by the dividers and each rear side of the tablet cassettes;
 - c) a second tablet dispensing unit substantially shaped in mirror image to and hinged sidewise to the first tablet dispensing unit so that when the dispensing units are hingedly closed a plurality of spatial shafts are formed by the corresponding grooves of the dispensing units to serve as downward channels through which the cassette-released tablets fall toward the tablet packaging unit;
- and

d) a hopper disposed beneath the dispensing units into the tablet packaging unit to guide the cassette-released tablets down into the tablet packaging unit for tablet packaging.

- [c2] 2. The system of claim 1 further comprising:
- a) a locking member to improve closure of the dispensing units when required, wherein the locking member is formed on the side portions opposing the hinged side portions;
 - b) a hamper formed through the hinged side portions of the dispensing units to soften the hinged opening and the hinged closing of the dispensing units
- [c3] 3. The system of claim 1 wherein the dividers are flat and wider than the grooves.
- [c4] 4. The system of claim 1 wherein one of the first and second dispensing units is fixed to the tablet packaging unit.
- [c5] 5. The system of claim 1 wherein the tablet packaging unit comprises:
- a) a printer to print respective information on a packaging paper; and
 - b) a heater assembly to package the tablets released through the hopper into one or more partitioned paper

bags using the packaging paper.

- [c6] 6. A pharmaceutical tablet dispensing and packaging system, comprising:
- a) a tablet packaging unit;
 - b) a front cabinet disposed on top of the tablet packaging unit, wherein front tablet cassettes each containing tablets are mounted in the front cabinet to selectively release the tablets to the tablet packaging unit;
 - c) a first tablet dispensing unit hinged to the front cabinet and defined by a front portion, a rear portion and side portions, wherein first tablet cassettes each containing tablets are installed in the first tablet dispensing unit detachably through the front portion and aligned in columns to selectively release the tablets through the rear portion into the tablet packaging unit, wherein a plurality of vertical dividers are formed on the rear portion to incorporate a plurality of vertical grooves between and by the dividers and each rear side of the tablet cassettes;
 - d) a second tablet dispensing unit substantially shaped in mirror image to and hinged sidewise to the first tablet dispensing unit so that when the dispensing units are hingedly closed a plurality of spatial shafts are formed by the corresponding grooves of the dispensing units to serve as downward channels through which the cassette-

released tablets fall toward the tablet packaging unit;
e) a hopper disposed beneath the dispensing units and the cabinet into the tablet packaging unit to guide the released tablets down into the tablet packaging unit for tablet packaging.

- [c7] 7. The system of claim 6 further comprising:
a) a locking member to improve closure of the dispensing units when required, wherein the locking member is formed on the side portions opposing the hinged side portions;
b) a hamper formed through the hinged side portions of the dispensing units and the front cabinet to soften the hinged opening and the hinged closing of the dispensing units
- [c8] 8. The system of claim 6 further comprising third and fourth tablet dispensing units each shaped in mirror image to the first and second tablet dispensing units, wherein the third tablet dispensing unit is hinged to the front cabinet to oppose the first tablet dispensing unit.
- [c9] 9. The system of claim 1 wherein the dividers are flat and wider than the grooves.
- [c10] 10. The system of claim 1 wherein the front cabinet is fixed to the tablet packaging unit.

[c11] 11. The system of claim 1 wherein the tablet packaging unit comprises:

a) a printer to print respective information on a packaging paper; and

b) a heater assembly to package the tablets released through the hopper into one or more partitioned paper bags using the packaging paper.

[c12] 12. The system of claim 1 wherein the front cabinet comprises a plurality of upright tablet passages to facilitate tablet guidance from the tablet cassettes of the cabinet into the hopper.